



Management Of IOTA Inconclusive Ovarian Masses

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Aims

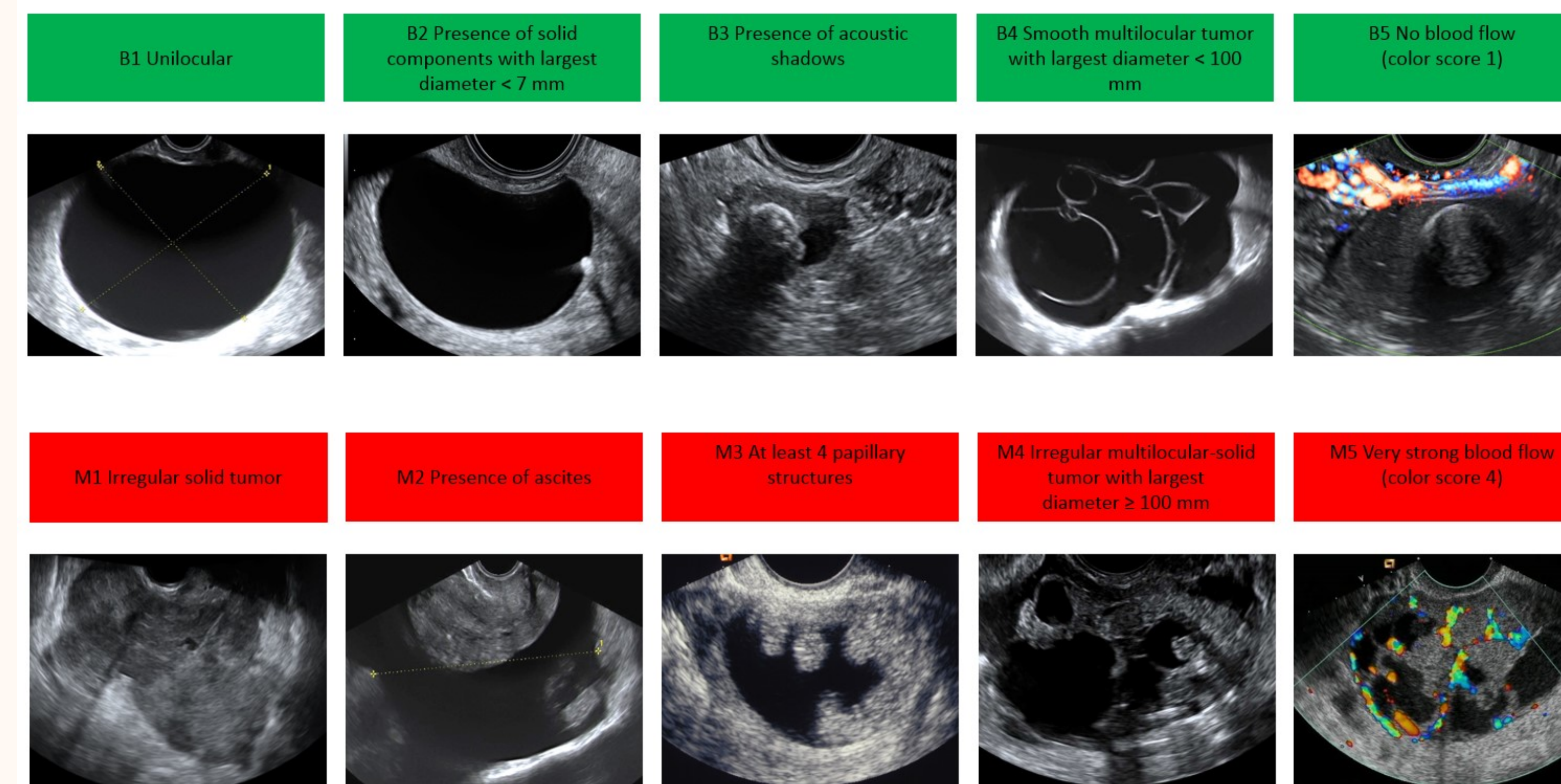
- Evaluate pathway and management of inconclusive adnexal masses and identify areas for improvement.

Background:

- RCOG guidelines recommend using RMI or IOTA simple rules (IOTA-SR) for assessment of ovarian masses.
- IOTA-SR characterise ovarian masses by using 5 benign and 5 malignant features.
- A mass with both or neither is deemed as inconclusive.
- A literature review showed a dearth of guidance on management of inconclusive ovarian masses.
- Barts Trust implemented IOTA-SR in managing ovarian masses in 2019.
- Face to face teaching of sonographers took place between 09/2018 – 09/2019 with refresher sessions every six months.

Methods:

- We manually identified ultrasound reports with words “inconclusive” or “indeterminate” between 09/2019 and 01/2021.
- All women with inconclusive masses were included, records were reviewed to identify the use of IOTA simple rules template and quality of reporting.



Results:

- We screened – reports, 142 cases were identified, and IOTA-SR were used in 43%.
- 81 were referred by primary care and 54 were two-week wait referrals.
- 73 patients had further imaging (USS in 23%, MRI in 74%, CT in 3%).
- 54% patients were discharged, 19% had ongoing follow up and 17% had surgery.
- Of the women that had surgery, 12 had benign pathology, 6 had borderline cysts and 6 had invasive cancer.

Conclusions:

- As less than half of the women had an IOTA-SR scan, we will continue to roll out IOTA teaching and make the ultrasound template easier to use.
- Management pathway to be refined, disseminated and re-audit prospectively.

